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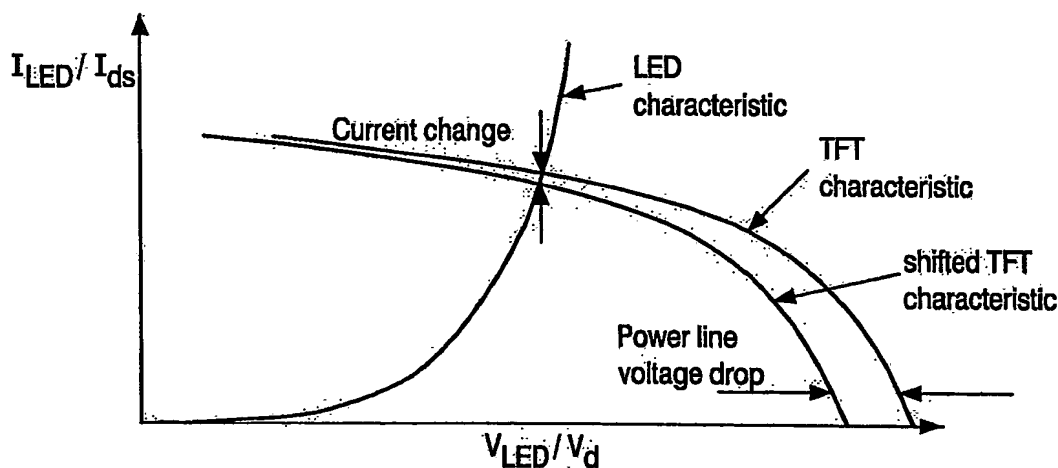
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(54) Title: **LIGHT EMITTING DISPLAY DEVICES**



(57) Abstract: A method is provided of determining the pixel drive signals to be applied to the pixels of an array of light emitting display elements arranged in rows and columns, with a plurality of the pixels in a row being supplied with current simultaneously along a respective row conductor. Target pixel drive currents are determined from a model of the pixel current-brightness characteristics. These are modified to take account of the voltage on the respective row conductor at each pixel resulting from the currents drawn from the row conductor by the plurality of pixels and the dependency of the pixel brightness characteristics on the voltage on the row conductor at the pixel. This addresses the problem of horizontal cross-talk that occurs in active matrix LED displays due to the finite output impedance of the current providing TFTs as well as the finite resistance of metals used to form power supply lines.



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